



**Competency 3.2 Industrial hygiene personnel shall demonstrate a familiarity level knowledge of the principle Departmental and external committees, agencies, and associations relating to the field of industrial hygiene.**

### **1. Supporting Knowledge and Skills**

- a. Describe the purpose and significance of the following:
  - Department of Energy Industrial Hygiene Coordinating Committee
  - Department of Energy Environment, Safety, and Health Council
  - American Industrial Hygiene Association (AIHA)
  - American Conference of Governmental Industrial Hygienists (ACGIH)
  - American Board of Industrial Hygiene (ABIH)
  - American National Standards Institute (ANSI)
  - Mine Safety and Health Administration (MSHA)
  - Occupational Safety and Health Administration (OSHA)
  - Environmental Protection Agency (EPA)
  - National Institute of Occupational Safety and Health (NIOSH)

### **2. Recommended Reading**

#### **Review**

- *Fundamentals of Industrial Hygiene*, 3rd Edition, National Safety Council, Appendix A - "Sources of Help."

### **3. Summary**

DOE Industrial Hygiene Coordinating Committee - An organization of selected DOE headquarters and field industrial hygienists that provides input on industrial hygiene issues to DOE management. Committee members are designated representatives of their respective organizations. Meets quarterly and provides a report to Environmental Health (EH-1).

DOE Environment, Safety, and Health Council - An organization of selected senior DOE personnel that identifies and addresses ES&H issues of high importance, coordinates related initiatives and ensures better implementation, exchanges information on program status, and provides feedback up the chain of command. Chaired by EH-1.



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American Industrial Hygiene Association (AIHA) - The primary national professional organization. Accredits industrial hygiene laboratories. Issues technical publications, including supplemental employee exposure levels (WEELs and ERPGs) and the *American Industrial Hygiene Association Journal*. AIHA recommendations on exposure and practice are not listed by DOE as mandatory standards but may be useful as “best practices.”

American Conference of Governmental Industrial Hygienists (ACGIH) - The other primary national organization best known for annually publishing the current Threshold Limit Values (TLVs) for chemical substances and physical agents and biological exposure indices. Also publishes many key technical and industrial hygiene documents and its journal, *Applied Occupational and Environmental Hygiene*. The TLVs are favored by OSHA as the basis for most PELs and are listed as mandatory standards within DOE.

American Board of Industrial Hygiene (ABIH) - The professional organization that “certifies” industrial hygienists and “cocertifies” technicians.

American National Standards Institute (ANSI) - A national consensus organization that publishes widely referenced recommendations on safe practices, notably relating to respirator use and medical qualification, and exposure to radiofrequency and microwave radiation, lasers, and vibration. Some ANSI standards are listed as mandatory DOE guidance.

Mine Safety and Health Administration (MSHA) - A component of the U.S. Department of Labor (USDOL) that regulated and performed safety and health inspections in mines, and cocertified respirators. MSHA was abolished in 1996 and its functions were absorbed by its parent organization, USDOL.

Occupational Safety and Health Administration (OSHA) - A component of the U.S. Department of Labor that establishes and enforces mandatory federal standards intended to protect most workers, and that performs safety and health inspections or oversees state inspections of most private-sector work places.

Environmental Protection Agency (EPA) - The federal organization that promulgates and enforces environmental protection regulations intended to protect the entire public. Some EPA regulations contain requirements relating to industrial hygiene, including the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Asbestos Hazard Emergency Response Act (AHERA).

National Institute of Occupational Safety and Health (NIOSH) - A component of the U.S. Department of Health and Human Services that was created by the OSHA Act to perform research and consultation relating to occupational safety and health, and that also cocertifies respirators. Publishes guidance and recommends exposure limits that are not mandatory in DOE.



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<b>Internet Addresses</b>	
Department of Energy Industrial Hygiene Coordinating Committee	dave.weitzman@eh.doe.gov (e-mail address)
American Industrial Hygiene Association (AIHA)	<a href="http://www.aiha.org">http://www.aiha.org</a>
American Conference of Governmental Industrial Hygienists (ACGIH)	<a href="http://www.acgih.org">http://www.acgih.org</a>
American Board of Industrial Hygiene (ABIH)	<a href="http://chppm-www.apgea.army.mil/armyih/abih.htm">http://chppm-www.apgea.army.mil/armyih/abih.htm</a>
American National Standards Institute (ANSI)	<a href="http://www.ansi.org">http://www.ansi.org</a>
Mine Safety and Health Administration (MSHA)	<a href="http://www.msha.gov">http://www.msha.gov</a>
Occupational Safety and Health Administration (OSHA)	<a href="http://www.osha.gov">http://www.osha.gov</a>
Environmental Protection Agency (EPA)	<a href="http://www.epa.gov">http://www.epa.gov</a>
National Institute of Occupational Safety and Health (NIOSH)	<a href="http://www.cde.gov/niosh/homepage.html">http://www.cde.gov/niosh/homepage.html</a>

### **4. Suggested Exercises**

Please refer to Scenario 9 in the Scenario section of this document.